

December 3, 1992

Ms. Jean Mescher
McKesson Corporation
One Post Street
San Francisco, CA 94104-5296

W.O. 92-17

Subject: Arkwood, Inc. Superfund Site - Omaha, Arkansas
Monthly Progress Report No. 9 - November 1992

Dear Ms. Mescher:

The following progress report is being provided by ERM-Southwest, Inc., for submission by McKesson Service Merchandising Co. ("MMI"), formerly Mass Merchandisers, Inc., in accordance with Section IX.B.1 of the Consent Decree. This report is to be submitted to the United States Environmental Protection Agency ("EPA") and to the Arkansas Department of Pollution Control and Ecology ("State").

ERM-Southwest, Inc.

16300 Katy Freeway
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(713) 579-8999
(713) 579-8988 (Fax)



Actions taken towards achieving compliance with the Consent Decree:

1. General description of Work (as defined in the Consent Decree) activities commenced or completed during the reporting period:
 - a. As results of the first round of sampling become available, additional analytical work is being ordered to progressively define the extent of the affected area.
 - b. On November 5 through 10, ERM-Southwest began an evaluation of the Ensyls and Dexsil field screening kits. EPA and representatives of the Ensyls corporation were present through most of the first day's evaluation. Neither kit performed as expected; each gave results which did not compare well with known analytical results.
 - c. On November 16, McKesson and ERM-Southwest mobilized to the Arkwood site for additional Predesign Studies required by the Work Plan. A demonstration of the pilot sieve and wash system was held on November 19 and was attended by representatives of the EPA and the State. ERM-Southwest demobilized from the site on November 21.

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Activities during this time included operation of the sieve and wash pilot unit at the site, collection of samples for use in the sieve and wash system design as well as in the incineration characterization studies.

- d. Development of the Preliminary Engineering Report (PER) continued during this reporting period.
2. Data received during the reporting period:
 - a. Some of the analytical data from the previous field work became available during this reporting period. Since full analytical data packages will be included in the Preliminary Engineering Report it was agreed with EPA that for the monthly reports, a summary of the findings would be sufficient. The summary of current results is given in Table 1 and the sample locations are shown on the enclosed sample location map.
 - b. No other data was received during this reporting period.
 3. Work activities projected to be commenced or completed during the next three reporting periods:
 - a. December 1992
 - 1) As results become available, additional analyses will be ordered to delineate the area to be excavated.
 - 2) Select samples for c-PNAs and dioxin will be analyzed to develop the correlation of PCP/c-PNAs/dioxin ratios.
 - 3) Work will continue on development of the PER.
 - b. January 1993

Work will continue on development of the PER.
 - c. February 1993

Work will continue on development of the PER.



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4. Problems encountered or anticipated in commencing or completing the Work activities:

No problems have been encountered or are anticipated at this time.

Sincerely,

ERM-SOUTHWEST, INC.



Ronald T. Grimes, P.E.

RTG/skd
Attachments

cc: D. S. Diehl, ERM-Southwest, Inc.
M. L. Lutz, ERM-Southwest, Inc.



Table 1
Attachment 1

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ERM-SOUTHWEST, INC.
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**TABLE 1
ARKWOOD RESULTS
PREDESIGN STUDIES SAMPLING**

FIRST TIER : SAMPLE ID :	PCP : (mg/kg) :	SECOND TIER : SAMPLE ID :	PCP : (mg/kg) :	THIRD TIER : SAMPLE ID :	PCP : (mg/kg) :
0 TO 6" DEPTH		6 TO 12" DEPTH		12 TO 18" DEPTH	
PDS - 1 A :	1,400 :	PDS - 1 B :	31 :	PDS - 1 C :	
PDS - 2 A :	560 :	PDS - 2 B :	200 :	PDS - 2 C :	
PDS - 3 A :	470 :	PDS - 3 B :	* :	PDS - 3 C :	
PDS - 6 A :	18 :	PDS - 6 B :	:	PDS - 6 C :	
PDS - 7 A :	990 :	PDS - 7 B :	750 :	PDS - 7 C :	*
PDS - 8 A :	1,100 :	PDS - 8 B :	910 :	PDS - 8 C :	*
PDS - 10 A :	1,600 :	PDS - 10 B :	68 :	PDS - 10 C :	
PDS - 11 A :	51 :	PDS - 11 B :	:	PDS - 11 C :	
PDS - 12 A :	ND :	PDS - 12 B :	:	PDS - 12 C :	
PDS - 13 A :	740 :	PDS - 13 B :	* :	PDS - 13 C :	
PDS - 14 A :	10 :	PDS - 14 B :	:	PDS - 14 C :	
PDS - 15 A :	190 :	PDS - 15 B :	:	PDS - 15 C :	
PDS - 16 A :	800 :	PDS - 16 B :	18 :	PDS - 16 C :	
PDS - 17 A :	100 :	PDS - 17 B :	:	PDS - 17 C :	
PDS - 18 A :	59 :	PDS - 18 B :	:	PDS - 18 C :	
PDS - 19 A :	290 :	PDS - 19 B :	:	PDS - 19 C :	
PDS - 21 A :	710 :	PDS - 21 B :	46 :	PDS - 21 C :	
PDS - 24 A :	150 :	PDS - 24 B :	:	PDS - 24 C :	
PDS - 27 A :	9.5 :	PDS - 27 B :	:	PDS - 27 C :	
PDS - 28 A :	11 :	PDS - 28 B :	:	PDS - 28 C :	
PDS - 32 A :	23 :	PDS - 32 B :	:	PDS - 32 C :	
PDS - 33 A :	120 :	PDS - 33 B :	:	PDS - 33 C :	
PDS - 37 A :	65 :	PDS - 37 B :	:	PDS - 37 C :	
PDS - 38 A :	190 :	PDS - 38 B :	:	PDS - 38 C :	
PDS - 41 A :	220 :	PDS - 41 B :	ND :	PDS - 41 C :	
PDS - 43 A :	260 :	PDS - 43 B :	:	PDS - 43 C :	
PDS - 44 A :	210 :	PDS - 44 B :	200 :	PDS - 44 C :	
PDS - 45 A :	350 :	PDS - 45 B :	110 :	PDS - 45 C :	
PDS - 46 A :	650 :	PDS - 46 B :	320 :	PDS - 46 C :	*
PDS - 47 A :	330 :	PDS - 47 B :	*	PDS - 47 C :	
PDS - 48 A :	8 :	PDS - 48 B :	:	PDS - 48 C :	
PDS - 52 A :	120 :	PDS - 52 B :	:	PDS - 52 C :	
PDS - 53 A :	25 :	PDS - 53 B :	:	PDS - 53 C :	
PDS - 54 A :	140 :	PDS - 54 B :	:	PDS - 54 C :	
PDS - 55 A :	17 :	PDS - 55 B :	:	PDS - 55 C :	
PDS - 56 A :	ND :	PDS - 56 B :	:	PDS - 56 C :	
PDS - 57 A :	16 :	PDS - 57 B :	ND :	PDS - 57 C :	
PDS - 59 A :	15 :	PDS - 59 B :	:	PDS - 59 C :	
PDS - 62 A :	220 :	PDS - 62 B :	:	PDS - 62 C :	
PDS - 64 A :	ND :	PDS - 64 B :	:	PDS - 64 C :	
PDS - 67 A :	55 :	PDS - 67 B :	:	PDS - 67 C :	
PDS - 69 A :	ND :	PDS - 69 B :	:	PDS - 69 C :	
PDS - 71 A :	13 :	PDS - 71 B :	:	PDS - 71 C :	
PDS - 72 A :	130 :	PDS - 72 B :	:	PDS - 72 C :	
PDS - 73 A :	230 :	PDS - 73 B :	:	PDS - 73 C :	
PDS - 74 A :	13 :	PDS - 74 B :	:	PDS - 74 C :	
PDS - 75 A :	ND :	PDS - 75 B :	:	PDS - 75 C :	
PDS - 76 A :	140 :	PDS - 76 B :	:	PDS - 76 C :	
PDS - 77 A :	ND :	PDS - 77 B :	:	PDS - 77 C :	
PDS - 78 A :	ND :	PDS - 78 B :	:	PDS - 78 C :	
PDS - 79 A :	ND :	PDS - 79 B :	:	PDS - 79 C :	
PDS - 80 A :	14 :	PDS - 80 B :	:	PDS - 80 C :	
PDS - 81 A :	1,000 :	PDS - 81 B :	ND :	PDS - 81 C :	
PDS - 82 A :	27 :	PDS - 82 B :	:	PDS - 82 C :	
PDS - 83 A :	120 :	PDS - 83 B :	:	PDS - 83 C :	
PDS - 84 A :	67 :	PDS - 84 B :	ND :	PDS - 84 C :	
PDS - 85 A :	1,700 :	PDS - 85 B :	*	PDS - 85 C :	
PDS - 86 A :	2,300 :	PDS - 86 B :	710 :	PDS - 86 C :	*
PDS - 87 A :	2,000 :	PDS - 87 B :	*	PDS - 87 C :	
PDS - 88 A :	2,000 :	PDS - 88 B :	*	PDS - 88 C :	
PDS - 89 A :	980 :	PDS - 89 B :	*	PDS - 89 C :	
PDS - 90 A :	1,000 :	PDS - 90 B :	*	PDS - 90 C :	
PDS - 91 A :	ND :	PDS - 91 B :	:	PDS - 91 C :	
PDS - 95 A :	370 :	PDS - 95 B :	7 :	PDS - 95 C :	
PDS - 96 A :	ND :	PDS - 96 B :	ND :	PDS - 96 C :	

NOTES: 1. *** means additional analysis has been ordered.
2. Data current as of 11/30/92.